

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Application of: Dresch et. al
Serial No.: 09/808,468
Art Unit: 2881
Examiner: K. T. Nyguen
Filing Date: March 14, 2001
For: Ion Storage Time-Of-Flight
Mass Spectrometer
Attorney Docket No. 840.066.202

December 6, 2004

RECEIVED
CENTRAL FAX CENTER
DEC 06 2004

VIA FAX (703) 872-9306
Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

RESPONSE

Sir:

In response to the Office Action of Sept. 22, 2004, in which the Examiner has rejected pending Claims 11 and 13, and has objected to pending Claim 12, please consider the following:

Amend Claim 11 as follows:

11. (Thrice Amended) An apparatus for analyzing chemical species comprising:

(a) a time-of-flight mass analyzer with an ion pulsing region and a detector,

(b) an ion source for producing ions forming an ion beam from said chemical species,

(c) a two-dimensional multipole ion guide having an entrance end where ions enter said ion guide from said ion source and an exit end where ions exit said ion guide, said two-dimensional multipole ion guide functioning as a two-dimensional ion trap, wherein said two-dimensional multipole ion guide comprises a plurality of spaced apart rods parallel to each other and extending from said entrance end to said exit end, said ion beam having an axis thereof which is parallel to said spaced apart rods,